



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Institute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

|                        |                    |
|------------------------|--------------------|
| Application Number     | 10/015,126         |
| Filing Date            | December 11, 2001  |
| First Named Inventor   | Laurence W. Davies |
| Group Art Unit         | 1771               |
| Examiner Name          | Torres-Velasquez   |
| Attorney Docket Number | 26998-241837       |

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
|                        |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| ✓                      | 1                        | US 3,895,896                               | 7/22/75                        | White et al.                                       |   |
|                        | 2                        | US 4,605,254                               | 8/12/86                        | Carmien  |   |
|                        | 3                        | US 4,883,552                               | 11/28/89                       | O'Connor et al.                                    |   |
|                        | 4                        | US 4,935,279                               | 6/19/90                        | Perko et al.                                       |   |
|                        | 5                        | US 5,066,349                               | 11/19/91                       | Perko et al.                                       |   |
|                        | 6                        | US 5,238,633                               | 8/24/93                        | Jameson  |   |
|                        | 7                        | US 5,585,155                               | 12/17/96                       | Heikkila et al.                                    |   |
|                        | 8                        | US 5,597,629                               | 1/28/97                        | Johnson  |   |
|                        | 9                        | US 5,727,672                               | 3/17/98                        | Foster   |   |
|                        | 10                       | US 5,795,424                               | 8/18/98                        | Johnson et al.                                     |   |
|                        | 11                       | US 5,860,508                               | 1/19/99                        | Foster   |   |
|                        | 12                       | US 5,931,284                               | 8/3/99                         | Foster   |   |
|                        | 13                       | US 6,007,656                               | 12/28/99                       | Heikkila et al.                                    |   |
|                        | 14                       | US 6,013,585                               | 1/11/2000                      | Foster et al.                                      |   |
|                        | 15                       | US 6,037,056                               | 3/14/2000                      | Macdonald et al.                                   |   |
|                        | 16                       | US 6,106,944                               | 8/22/2000                      | Heikkila et al.                                    |   |
|                        | 17                       | US 6,268,047 B1                            | 7/31/2001                      | Mulder et al.                                      |   |
|                        | 18                       | US 6,495,091 B1                            | 12/17/2002                     | Manson et al.                                      |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|------------------------|--------------------------|---|-----------------------------------|---|--|----------------|
|                        |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                   |   |  |                |
| ✓                      |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |
|                        |                          |   |                                   |   |  |                |

Examiner  
Signature

Torres

Date  
Considered

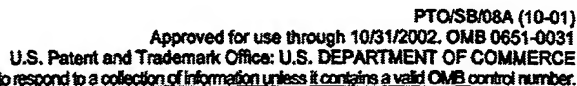
8/11/03

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

|                        |                       |
|------------------------|-----------------------|
| Application Number     | 10/015,126            |
| Filing Date            | December 11, 2001     |
| First Named Inventor   | Laurence W. Davies    |
| Group Art Unit         | 1771                  |
| Examiner Name          | N.L. Torres-Velazquez |
| Attorney Docket Number | 26998-241837          |

(use as many sheets as necessary)

|       |   |    |   |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

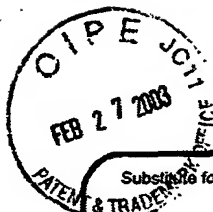
8/11/03

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>2</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

|                        |                    |
|------------------------|--------------------|
| Application Number     | 10/015,126         |
| Filing Date            | December 11, 2001  |
| First Named Inventor   | Laurence W. Davies |
| Group Art Unit         | 1771               |
| Examiner Name          | Tones              |
| Attorney Docket Number | 26998-241837       |

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| M                     |                          | Re. 31,960                                 | 07/30/1985                     | Phillips   |   |
|                       |                          | US 2003/0003265 A1                         | 01/02/2003                     | Davies et al.                                      |   |
|                       |                          | US 2003/0026943 A1                         | 02/06/2003                     | Davies et al.                                      |   |
|                       |                          | 3,969,171                                  | 07/13/1976                     | Bolen et al.                                       |   |
|                       |                          | 4,265,972                                  | 05/05/1981                     | Rudner   |   |
|                       |                          | 4,421,827                                  | 12/20/1983                     | Phillips   |   |
|                       |                          | 4,477,533                                  | 10/16/1984                     | Phillips   |   |
|                       |                          | 4,479,984                                  | 10/30/1984                     | Levy et al.  |   |
|                       |                          | 4,515,737                                  | 05/07/1985                     | Karino et al.                                      |   |
|                       |                          | 4,892,764                                  | 01/09/1990                     | Drain et al.                                       |   |
|                       |                          | 4,983,453                                  | 01/08/1991                     | Beall  |   |
|                       |                          | 5,175,646                                  | 12/29/1992                     | Eden   |   |
|                       |                          | 5,305,601                                  | 04/26/1994                     | Drain et al.                                       |   |
|                       |                          | 5,310,600                                  | 05/10/1994                     | Tsuya et al.                                       |   |
|                       |                          | 5,316,834                                  | 05/31/1994                     | Matsuda et al.                                     |   |
| M                     |                          | 5,319,003                                  | 06/07/1994                     | Gomez et al.                                       |   |
|                       |                          | 5,345,974                                  | 09/13/1994                     | Bernardi et al.                                    |   |
|                       |                          | 5,612,424                                  | 03/18/1997                     | Sato et al.  |   |
|                       |                          | 5,702,816                                  | 12/30/1997                     | Kaiser   |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>3</sup> |
|-----------------------|--------------------------|---|-----------------------------------|---|--|----------------|
|                       |                          | Country Code <sup>4</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                   |   |  |                |
| M                     |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |
|                       |                          |   |                                   |   |  |                |

Examiner  
Signature

Mones

Date  
Considered

8/11/03


\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



April 19, 2002  
Page 1 of 2

|   |                           |            |
|---|---------------------------|------------|
| Form PTO-1449 U.S. Department of Commerce<br>Patent and Trademark Office<br> | Atty. Docket No.          | Serial No. |
|   | 26998-241837              | 10/015,126 |
|   | Applicant                 |            |
|   | LAURENCE W. DAVIES et al. |            |
|   | Filing Date               | Group      |
|   | December 11, 2001         | 1771       |

### U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date MM/DD/YY | Name          | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------------|---------------|---------------|-------|----------|----------------------------|
| <i>WJH</i>       | 4,058,581       | 11/15/77      | Park          |       |          |                            |
|                  | 4,334,563       | 6/15/82       | Epel et al.   |       |          |                            |
|                  | 4,336,301       | 6/22/82       | Shaw          |       |          |                            |
|                  | 4,484,459       | 11/27/84      | Hutson        |       |          |                            |
|                  | 4,550,045       | 10/29/85      | Hutson        |       |          |                            |
|                  | 4,556,440       | 12/3/85       | Krueger       |       |          |                            |
|                  | 4,564,540       | 1/14/86       | Davies et al. |       |          |                            |
|                  | 4,677,831       | 7/7/87        | Wunner        |       |          |                            |
|                  | 4,752,513       | 6/21/88       | Rau et al.    |       |          |                            |
|                  | 4,877,470       | 10/31/89      | Krueger       |       |          |                            |
|                  | 4,924,631       | 5/15/90       | Davies et al. |       |          |                            |
|                  | 4,983,453       | 1/8/91        | Beall         |       |          |                            |
|                  | 4,984,402       | 1/15/91       | Davies        |       |          |                            |
| <i>WJH</i>       | 5,047,109       | 9/10/91       | Krueger       |       |          |                            |

RECEIVED  
APR 29 2002  
TC 1700

### FOREIGN PATENT DOCUMENTS

| Name | Document Number | Date MM/DD/YY | Country | Class | Subclass | Translation Yes/No |
|------|-----------------|---------------|---------|-------|----------|--------------------|
|      |                 |               |         |       |          |                    |
|      |                 |               |         |       |          |                    |
|      |                 |               |         |       |          |                    |
|      |                 |               |         |       |          |                    |

### OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

|            |   |
|------------|---|
| <i>WJH</i> | Gauchel et al., "Pultrusion Processing of Phenolic Resins" 48 <sup>th</sup> Annual Conference, Composites Institute, SPI, Volumn 48, Feb. 8-11, pp 2B:1-4, 1993 |
| <i>WJH</i> | "Version G - General Purpose Formulation", Revision 1.9, Resin Systems Inc. (3 pages)   |
| <i>WJH</i> | "Standard Specification for Tensile Testing machines for Textiles", Designation: D76-99, © ASTM, pp 1-8   |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*N James* 8/11/03